

VODOVNIK, Lojze, dr mgr ing., docent (Ljubljana, Tugomerjeva 12)

Oscilloscope for biomedical research. Tehnika Jug Suppl:Elektrotehnika X
12 no.11:2083-2088 N '63.
18 no.11:
1. Elektrotehnicki fakultet Univerziteta u Ljubljani.

VODOVNIK, Lojze, dr. ing., docent

Control mechanism of voluntary motions. Elektr vest 17 no.1/2:
9-12 Ja-F '64.

1. Faculty of Electrical Engineering, University of Ljubljana,
Ljubljana.

VODOVNIK, Lojze, Dr. mag. ing., docent (Ljubljana, Tugomerjeva 12)

Electronic apparatus for storm warnings. Tehnika Jug 18 no.9:
1616b-1616d S '63.

1. Elektrotehnicki fakultet Univerziteta u Ljubljani

Instruments and Equipment

UDC 007 : 62 : 50

YUGOSLAVIA

VODOVNIK, L., Engineering Design Center, Case Institute of Technology, Cleveland, Ohio. On leave from Electrotechnical Faculty, University of Ljubljana, Yugoslavia; RESWICK, J. B., Engineering Design Center, Case Institute of Technology, Cleveland, Ohio

"Control Theory Concepts in Functional Electrical Stimulation of Extremities"

Zagreb, AUTOMATIKA, Theoretical Supplement, Vol 1, No 2, 1966, pp 33-38

Abstract: [English article], [Authors' English summary modified] Functional electrical stimulation of extremities (FESE) attempts to restore the functions of paralyzed limbs by means of electrical stimulation. The authors discuss the operation of the electrophysiologic splint, the myo-electric stimulator, and the controlled electrical stimulation. As practically all elements which were developed by nature are nonlinear, methods of the nonlinear automatic control field are of major importance in FESE as well. Frequently, the linear and nonlinear part of a control system are inseparable. For the analysis of such cases a method using amplitude-dependent Nyquist diagrams is introduced. There are 11 Western references.

1/1

ABAKUMOVSKIY, D.D., inzh.; VIKHMAN, Yu.L., inzh.; VODOVOZOV, A.I., inzh.;
ZORIN, R.P., inzh.; IGNATCHENKO, Ye.A., inzh.; LITINSKIY, M.E., inzh.;
SAZONOV, A.I., inzh.; PRITULA, V.A., inzh.; POMAZKOV, S.A., inzh.;
FRUKHTHEYN, L.I., inzh.; SAFOZHNIKOV, N.M., inzh.; NASYUK, A.I., inzh.;
YANKELEV, L.F., inzh.; BASHILOV, N.M., otv. red.; LATINSKIY, M.E., red.;
POLOSINA, A.S., tekhn. red.

[Handbook for builders and assemblers of the petroleum industry]
Spravochnik stroitelia-montazhnika neftianoi promyshlennosti. No-
skva, Gostoptekhizdat, 1946. 250 p. (MIR 15:4)

1. Russia (1923- U.S.S.R.) Narodnyy komissariat neftyanoy promysh-
lennosti. Glavnoye upravleniye. 2. Narodnyy komissariat neftyanoy
promyshlennosti SSSR (for all except Bashilov, Latinskiy, Polosina).
(Petroleum industry)

VODOVOZOV, A.M., dotsent; YEFET, V.A., kand. med. nauk

Anticoagulants in the treatment of dystrophic lesions of the
retina. Sbor. nauch. trud. SOGMI no.14:103-107 '63.
(MIRA 18:9)

1. Kafedra glaznykh bolezney Volgogradskogo meditsinskogo
instituta i Volgogradskaya oblastnaya klinicheskaya bol'nitsa.

VODOVOZOV, A. M., kandidat lekarskych ved

A new construction of electric ophthalmoscope for ophthalmoscopy in
a light without a red component. Cesk. oft. 17 no. 4/5: 392-395
Jl '61.

1. Katedra ocnich chteb Cernovickeho lekarskeho institutu, predn.
prof. B. L. Radzichovskij.

(OPHTHALMOSCOPY equip & supplies)

VODOVZOV, A.M., kand.med.nauk

Examination of the fundus oculi in a non-red light with the
electroophthalmoscope. Vest.oft. no.3:54-59 '61. (MIRA 14:9)

1. Kafedra glaznykh bolezney (zav. - prof. B.L. Radzikovskiy)
Chernovitskogo meditsinskogo instituta.
(OPHTHALMOSCOPY)

VODOVOZOV, A.M., kand. med. nauk

Pincers for expressing trachomatous follicles and for simultaneously administering medicinal massage. Oft. zhur. 14 no.2:121-122 '59.

(MIRA 12:7)

1. Iz kafedry glaznykh bolezney (zav. - prof. B. L. Radzikovskiy)
Chernovitskogo meditsinskogo instituta.
(EYE, INSTRUMENTS AND APPARATUS FOR)

RADZIKHOVSKIY, B.L., prof.; VODOVOZOV, A.M., assistant

Technic of measuring the diameter of the pupils. Oft. zhur. 12
no. 5:313-314 '57. (MIRA 13:6)

1. Iz kliniki glaznykh bolezney (direktor - prof. B.L. Radzi-
khovskiy) Chernovitskogo meditsinskogo instituta.
(PUPIL (EYE))

VODOVOZOV, A.M.

Method of circular marking in roentgenologic localization of
foreign bodies in the eye. Vest.oft. 33 no.3:39-40 My-Je '54.
(MIRA 7:6)

1. Iz kliniki glaznykh bolezney (zav. prof. B.L.Radzikhovskiy)
Chernovitskogo meditsinskogo insituta.
(~~BYE~~, foreign bodies,
*localization, x-ray, marking)
(FOREIGN BODIES,
*eye, localization, X-ray, marking)

VODOVOZOV, A.M., kandidat meditsinskikh nauk; LOVLYA, G.D.; BLANK, N.D.

Local application of sodium sulfathiarole in ophthalmologic practice.
Vest. oft. 69 no.5;75-77 S-0 '56.
(MLRA 9:12)

1. Iz kafedry glaznykh bolezney (zav. - prof. B.L.Radzikhovskiy)
Chernovitskogo meditsinskogo instituta.
(EYE DISEASES, ther.
sulfathiazole)
(SULFATHIAZOLE, ther. use
eye dis.)

VODOVOZOV, A.M., kand.med.nauk

Use of an incandescent lamp for ophthalmoscopy in red-free light.
Oft. zhur. 15 no. 6:353-357 '60. (MIRA 13:10)

1. Iz kafedry glaznykh bolezney (zav. - prof. B.L. Radzikovskiy)
Chernovitskogo meditsinskogo instituta.
(OPHTHALMOSCOPY)

VODOVOZOV, A.M., kand.med.nauk

Examination of the eye in light of varying spectral composition
(ophthalmochromoscopy). Oft. zhur. 15 no.8:468-475 '60.
(MIRA 14:1)

1. Iz kafadry glaznykh bolezney (zav. - prof. B.L.Radzikovskiy)
Chernovitskogo meditsinskogo instituta).
(OPHTHALMOSCOPY)

RADZIKHOVSKIY, B.L., prof.; VODOVOZOV, A.M., kand.med.nauk; YAVSTYUGOV, L.M.,
insh.

Transplantation of a cornea frozen and dried in a vacuum apparatus.
(MIRA 13:4)
Oft.shur. 14 no.8:485-488 '59.

1. Iz kliniki glaznykh bolezney (zaveduyushchiy - prof. B.L. Radzi-
khovskiy) Chernovitskogo meditsinskogo instituta.
(CORNEA--TRANSPLANTATION)

VODOVOZOV, A.M.

Alloplasty of the cornea with acrylic plastics. Biul.eksp.biol.
(MIRA 18:2)
i med. 58 no.7:116-118 J1 '64.

1. Kafedra glaznykh bolezney (zav. - prof. B.L.Radzikhovskiy)
Chernovitskogo meditsinskogo instituta. Submitted October 21, 1959.

VODOVOZOV, A.M., kandidat meditsinskikh nauk

Concentration of penicillin in the conjunctival sac in various methods
of its infusion. Vest. oft. 69 no.5:88-89 S-0 '56. (MLRA 9:12)

1. Iz glaznoy kliniki (zav. - prof. B.L.Badzikovskiy) Chernovitskogo
meditsinskogo instituta.

(CONJUNCTIVA
conjunctival bag, concentration of penicillin in after
various methods of admin.)

(PENICILLIN, admin.
ocular, concentration in conjunctival bag after various
methods of admin.)

VODOVOZOV, A.M., kand.med.nauk

Combined streptomycin and phthivazid therapy for tuberculous
and tuberculous-allergic diseases of the eyes. Pat.,klin.i terp.
tub. no.8:213-217 '58. (MIRA 13:7)

1. Iz kafedry glaznykh bolezney (zav. - prof. B.L. Radzikovskiy)
Chernovitskogo meditsinskogo instituta.
(STREPTOMYCIN) (ISONICOTINIC ACID) (EYE--TUBERCULOSIS)

VODOREZOV, G.I.

15-1957-7-9287

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,
p 74 (USSR)

AUTHOR: Vodorezov, G. I., Kiselev, L. I.

TITLE: The Geological Relations and Age of the Alkaline Rocks
in Mugodzhary (O geologicheskoy pozitsii i vozraste
shchelochnykh porod v Mugodzharkh)

PERIODICAL: v sb.: Materialy po geol. i poleznyim iskopayemym
Yuzhnogo Urala, Vol I, Moscow, Gosgeoltekhnizdat, 1956,
pp 28-37

ABSTRACT: Alkaline rocks are closely associated with post-Lower-
Carboniferous rose-colored granites which occur within
the Mugodzharskiy anticlinorium, the Mugodzharskiy
greenstone synclinorium, and the Irgizskiy synclinorium.
The rose-colored granites form large intrusive bodies
(the Kayraktinskiy, Borlinskiy, Ak-Bulakskiy and other
plutons) characterized by constant mineral composition:
orthoclase 40%, acid plagioclase 15-20%, quartz 30-40%,
and biotite 0-7%. In the endogene contact zones transi-

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15-1957-7-9287

The Geological Relations and Age of the Alkaline Rocks in Mugodzhary
(Cont.)

tions of the granites occur, both into granodiorites and monzonites and into leucocratic varieties. The rose-colored granites are cut by numerous dike rocks--granite porphyry, fine-grained granite, and aplite. Small bodies of biotite diorite and syenite, containing no dark alkaline minerals, are associated really with the Borlinskiy mass. Alkaline syenites were identified in a number of places associated with the granites described above. They generally form small intrusions and dikes, characterized by a rather constant mineral composition; 30-90% of the rock consists of orthoclase and microcline-perthite. In addition albite, alkaline hornblende, and occasional biotite and titanomagnetite are present. Alkaline hornblende and biotite are less abundant in the dikes of the alkali syenite. Zircon is invariably present in the syenite aplites, which approximate lindite in composition. Dark minerals are almost completely absent in the alkaline pegmatites. Nepheline syenites are found only as dikes associated with the alkaline syenites. They are

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15-1957-7-9287

The Geological Relations and Age of the Alkaline Rocks in Mugodzhary
(Cont.)

variable both in composition and in texture. Miaskite is the most abundant variety, forming dikes from 3 to 60 m wide. These rocks contain potash-soda feldspar, albite, nepheline, lepidomelane, aegerine-augite, fluorite, titanomagnetite, cancrinite, sodalite, calcite, zircon, apatite, and rutile. The variety mariupolite, which is rarely encountered forms lenses in the miaskite. In liebnerite syenites, the nepheline has been replaced by a fine-scaly aggregate of sericite (liebnerite). Albite, having a trachytoid texture, is closely associated with the liebnerite syenites. Dikes of the alkaline rocks occur also in the Precambrian crystalline schists, which are the host rocks of the alkaline masses. The close association of the alkaline rocks with the rose-colored granites is grounds for considering them as belonging to the last phase of the Paleozoic intrusive cycle. The sequence of emplacement of the various alkaline rocks (for the Borsuk-Saya region) is alkaline syenite, syenite-aplite and pegmatite dikes, liebnerite-syenite dikes, nepheline-syenite dikes, and nepheline-rich pegmatites.

Card 3/3

O. V. Bryzgalin

VODOVOZOV, A.M., kand.med.nauk

Concentration of penicillin in the conjunctival sac following
administration in collodion capsule. Oft.zhur. 13 no.5:308-309 '58

I. Iz kafedry glaznykh bolezney (zav. - prof. B.L. Radzikovskiy)
i kafedry mikrobiologii Chernovitskogo meditsinskogo instituta.
(PENICILLIN)
(CONJUNCTIVA)

VODOVOZOV, A. M.

Light filters for study of the eyes in light of varying spectral
composition. Nov. med. tekhn. no.1:69-75 '61.
(MIRA 14:12)

1. Chernovitskiy meditsinskiy institut.

(LIGHT FILTERS) (COLOR SENSE) (OPHTHALMOSCOPY)

VODOVOZOV, A. M.

Apparatus for study of the eye in light of varying spectral composition. Nov. med. tekhn. no. 3:36-40 '61. (MIRA 14:12)

1. Chernovitskiy meditsinskiy institut.

(OPHTHALMOSCOPE)

VODOVOZOV, A.M., kand.med.nauk

Examination of the fundus in purple light. Oft. zhur. 16 no.8:467-
472 '61. (MIRA 15'4)

1. Iz kafedry glaznykh bolezney (zav. - prof. B.L.Radzikovskiy)
Chernovitskogo meditsinskogo instituta.
(EYE--EXAMINATION)

VODOVOZOV, G.D., inzh.; ODESSKIY, M.L., inzh.

Organizing the grinding of hard-alloy cutting tools with
synthetic diamond wheels. Mashinostroenie no.5:6-7 S-O '65.
(MIRA 18:9)

VODOVOZOV, G.Z.; VIGDOROV, D.I.

Calculating the attenuation of high-frequency signals in wire communication channels of field remote-control systems. Izv. vys. ucheb. zav.; neft' i gaz. 8 no.5:93-97 '65. (MIRA 18:7)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova i Nauchno-issledovatel'skiy i proyektnyy institut po kompleksnoy avtomatizatsii proizvodstvennykh protsessov v neftyanoy i khimicheskoy promyshlennosti.

VODOVOZOV, L.A.

Using industrial waste in agriculture (Leningrad Economic Council).
Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch. i tekhn.inform.
no.8:83-84 '62. (MIRA 15:7)
(Leningrad Province--Industrial wastes)
(Leningrad Province--Agricultural research)

VODOVOZOV, N

V

EPP
.R93059

"SLOVO O POLKU IGOREVE" - GEROICHES- KIY PAMYATNIK RUSSKOY LITERATURY.

MOSKVA, IZD-VO ZNANIYE, 1953.

22 p. (VSESOYUZNOYE OBRASHCHESTVO PO RASPROSTRANENIYU POLITICHESKIKH I
NAUCHNYKH ZNANIY. 1953, SERIYA 2, NO. 2).

BIBLIOGRAPHICAL FOOTNOTES.

RUSSIA

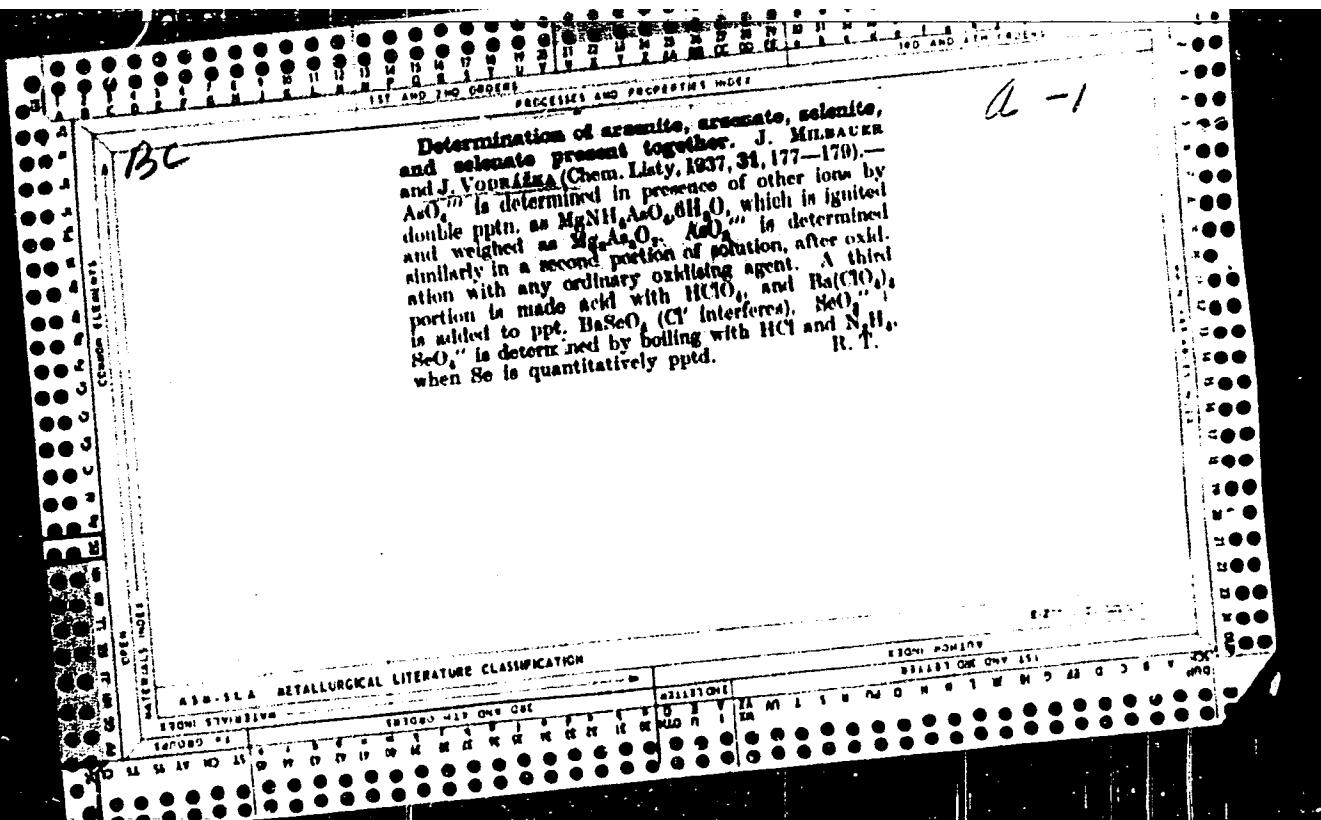
VODOVOZOV, N.V., doktor filologicheskikh nauk.

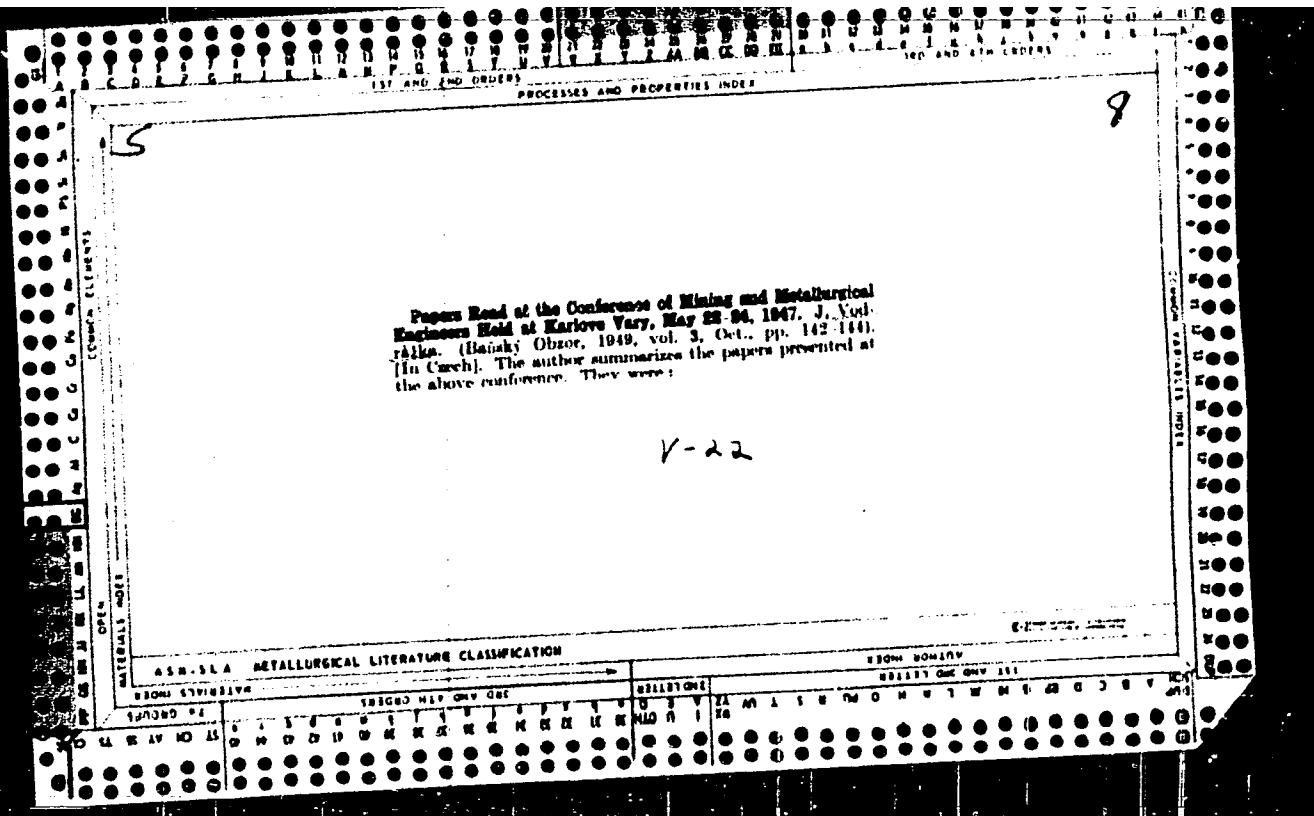
Anton Pavlovich Chekhov (fiftieth anniversary of his death).
Nauka i zhizn' 21 no.7:39-40 Jl '54. (MLRA 7:7)
(Chekhov, Anton Pavlivich, 1860-1904)

VODOVOZOV, VASILIIY IVANOVICH

Izbrannyye pedagogicheskiye sochineniya (Selected pedagogical works) Vvodnaya
stat'ya V. E. Smirnov.
Moskva, Izd-vo Akademii Pedagogicheskikh Nauk RSFSR, 1953.
374 p.
At head of title: Akademiya Pedagogicheskikh Nauk RSFSR, Moscow.
Supplement to "Sovetskaya Pedagogika" for 1953, v. 3.

N/5
831
.V8





VODOVOZOV, S. A.

VODOVOZOV, S. A. - "Economic Geography Features of the Mari ASSR."
(No Date Given), Moscow City Pedagogical Inst imeni V. P. Potemkin.
(Dissertation for the Degree of Candidate in Geological and
Mineralogical Sciences).

SO: Vechernaya Moskva January-December 1952

VODOVOZOV, S.A.

Effect of the Kuybyshev and Cheboksary Hydroelectric Power Stations on the development of the economy of the forest regions of the Mari A.S.S.R. Izv. AN SSSR Ser. geog. no.6:43-48 N-D '53. (MLBA 6:12)

1. Institut geografii Akademii nauk SSSR.
(Mari A.S.S.R.--Forests and forestry) (Forests and forestry--Mari A.S.S.R.
(Kuybyshev Hydroelectric Power Station) (Cheboksary Hydroelectric Power
Station)

VODOVOZOV, S.A.

VODOVOZOV, S.A.

Hogay steppe. Priroda 44 no.2:73-81 F '55.
(Terek-Kuma Desert)

(MLRA 8:3)

VODOVOZOV, S.A.

Conference on the study of Lake Balkhash. Izv. Akad. SSSR. Ser. geog.
no. 2:162 Mr-Ap '56. (MLRA 9:8)
(Balkhash, Lake)

VODOVOZOV, S.A.

~~"Groznyy Province"~~ by S Shiriaev. Reviewed by S. Vodovozov. Geog. v
shkole 20 no.1:74-75 Ja-F '57. (MIRA 10:3)
(Groznyy Province--Description and travel)

MATVEYEV, Gennadiy Petrovich, nauchnyy sotr.; PRIVALOVSKAYA, Genriyeta Aleksandrovna, nauchnyy sotr.; KHOREV, Boris Sergeyevich, nauchnyy sotr.; Prinialni uchastiye: BUSMELEV, G.A.(g.Kirov); VODOVOZOV, S.A. (g.Moskva); LEN'KOV, G.Ya.; FEDOTOV, Ye.P.; RYAZANTSEV, S.N.. otv. red.; LYALIKOV, N.I., red. [deceased]; POKSHISHEVSKIY, V.V., prof., red.; ABRAMOV, L.S., red.; KONOVALYUK, I.K., mladshiy red.; KISELEVA, Z.A., red.kart; BURLAKA, N.P., tekhn. red.

[The Volga-Vyatka Region; economic and geographical features]
Volgo-Viatskii raion; ekonomiko-geograficheskaiia kharakteristika. Moskva, Gos. izd-vo geogr. lit-ry, 1961. 533 p.
(MIRA 15:2)

1. Otdel geografii SSSR Instituta geografii Akademii nauk SSSR (for Matveyev, Privalovskaya, Khorev). 2. Zaveduyushchiy Otdelom geografii SSSR Instituta geografii Akademii nauk SSSR (for Pokshishevskiy).

(Volga Valley--Economic geography)
(Vyatka Valley--Economic geography)

YODOVOZOV, V.

Training for production practice. Prof.-tekhn. obr. 18 no.8:
16-17 Ag '61. (MIRA 14:9)

1. Zamestitel' direktora uchilishcha mekhanizatsii sel'skogo
khozyaystva No.4 po uchebno-proizvodstvennoy rabote, Vologodskaya
oblast. (Farm mechanization—Study and teaching)

L 15264.66 IWT(1)/FCC GW
ACC NR: AR5016452

SOURCE CODE: UR/0169/65/000/006/B021/R022

18

15

(2)

AUTHOR: Vodovozova, L.N.

ORG: none

TITLE: Conditions for the formation of rime and sleet in the Kol'skiy peninsula

SOURCE: Ref. zh. Geofizika, Abs. 6B152

REF SOURCE: Sb. rabot po regional'n. sinoptike, no. 9, 1964, 55-69

TOPIC TAGS: hydrometeorology, ice, atmospheric temperature, hydrology

TRANSLATION: Use was made of the aerosynoptic data gathered in 1957-1962, by 28 stations of the Murmansk Hydrometeorological Services Administration. Sleet and rime are recorded for the Kol'skiy peninsula from September to May. In the majority of cases there is slight icing. Mixed types of icing are usually light, but on occasion they may be either heavy or very heavy. Crystalline rime is predominant on the Kol'skiy peninsula and in mid-winter it forms almost daily. Rime and sleet are characterized by clearly expressed daily processes, which are affected by polar night. The maximum duration of rime is 743 hours. Crystalline and granular rime is usually formed during a calm or during light winds; sleet -- during light or moderate (and at times -- strong) winds. Most frequently, sleet forms at temperatures from 0 to -4°, granular rime at

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ACC NR: AR5016452

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-4 to -10°, and crystallic sleet at -1 to -39°, but most frequently at -1 to -20°. Crystallic rime is usually formed when the sky is clear or slightly cloudy, sleet — when the sky is cloudy, and granular rime either in clear or overcast weather. The formation of crystallic rime usually does not depend on any accompanying phenomena; granular rime forms in fog and haze; sleet — in overcooled drizzle or light rain. The relative humidity of the air is a decisive factor in the formation of rime. In the formation of sleet, 88% of it is due to warm fronts and to occlusion fronts of the warm type; in 12% of the cases, an intramass sleet was noted. The formation of crystallic rime is basically connected with the rear part of a cyclone^{and} with the increased pressure area which follows in its wake. Granular rime and mixed types of sleet of a pure type are rarely formed. Z. Makhover.

SUB CODE: 04

Card 2/2

VODOVOZOVA, M.V. (Moskva)

Altitudinal differentiation of vegetation in the central zone
of the Russian Plain. Bot. zhur. 49 no.12:1697-1705 D '64
(MIRA 18:2)

LAPKINA, Natal'ya Aleksandrovna, prepodavatel'; PORUBINOVSKIY, Aleksandr Mikheylovich, prepodavatel' [deceased]; TSVETKOVA, Galina Aleksandrovna, prepodavatel'; NEKLYUKOVA, Nina Petrovna, prepodavatel'; SOKOLOVA, Varvara Vladimirovna, prepodavatel'; VODOVOZOVA, Mariya Vladimirovna, prepodavatel'; FISHCHEVA, T.V., red.; SMIRNOVA, M.I., tekhn.red.

[Extracurricular field work on geography; teachers' manual] Vneklassnaya rabota po geografii v prirode; posobie dlia uchitelei. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1959. 189 p.

(MIRA 12:11)

1. Kafedra obshchey fizicheskoy geografii geograficheskogo fakul'teta Moskovskogo gorodskogo pedagogicheskogo instituta im.V.P. Potemkina (for all except Fishcheva, Smirnova).
(Geography--Study and teaching)

VODOVSKAYA, A.M., assistant

Characteristics of the air in capron manufacturing plants.
Gig i san. 28 no.6270-71 Je'63 (MIR# 1784)

1. Iz kafedry obshchey gigiyeny Altayskogo meditsinskogo instituta.

HUNGARY/Solid State Physics - Diffusion.

E

Abs Jour : Ref Zhur Fizika, No 10, 1959, 22631

Author : Vodros, Daniel

Inst : ~~YUZOVSKAIA INSTITUTE OF PHYSICS~~

Title : Investigation of the Process of Diffusion by the Method
of Radioactive Isotopes.

Orig Pub : Energia es Atomtechn., 1958, 11, No 7-8, 494-495

Abstract : No abstract.

Card 1/1

- 42 -

VODRAK, Vladimir, ins.

Problem of cast-iron shrinkage. Sbor VSB Ostrava 10 no.4:571-
580 '64.

Some experiences in drying cores by dielectric heating. Ibid.:
599-605

1. Higher School of Mining, Ostrava. Submitted April 20, 1963.

VODRAZKA, B.

Protection from corrosion, an important economic factor. Strojirn-
stvi 14 no.9:641-642 S '64.

1. State Research Institute of Material Protection, Prague.

CZECHOSLOVAKIA/Diseases of Farm Animals - Diseases Caused by
Helminths.

R-3

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50204

Author : Vodrazka, J., Berecky, I., Sokol, J., Hanko, J.

Inst : -
Title : The Problem of Using Piperazine for the Treatment of
Horses.

Orig Pub : Veterinarstvi, 1957, 7, № 9, 273-275

Abstract : The authors conducted tests which revealed that piperazine adipate and citrate are 100 percent effective when used in doses of 0.25 gr/kg in treating parascariasis in colts. These preparations were equally effective against immature as well as mature forms of the parasite. Good therapeutic results were also obtained with the same preparations in treating strongyliasis. They were less effective, however, against oxyurosis.

Card 1/1

VODRAZKA, J.

(2)

CZECHOSLOVAKIA

VODRAZKA, J., Docent Dr; VRBA, C., Dr; JELINEK, J., Dr.

Kosice (for Vodrazka); Erno (for Vrba); Prague (for
Jelinek)

Prague, Veterinarstvi, No 3, 1963, pp 128-129

"Present State of Mass Production of Veterinary
Medicines and Further Development in This
Direction."

VODRAZKA, JOSEF

Production of 95% pure anthracene. Josef Vodrážka
(Urvovy závody, Ostrava, Czech.) Chem. Průmysl 10,
393-4 (1960).—Anthracene I (94-97%) was isolated with
a max. of 3% carbazole (II) from high-temp. coal tar. The
crystn. of raw anthracene oil boiling <350° must be inter-
rupted and crystals of raw I centrifuged at 70-80°. After
that step the raw I contains 35-48% of I, the ratio of I to
II is not smaller than 2.2, and it has whitish or greenish
color. For the 1st crystn. of raw I mother liquor from the
following crystn. is used. The 2nd crystn. is carried out
with a 3-fold amt. of a mixt. of heavy pyridine base (frac-
tion 150-250°) or desulfurized base of washing oil (fraction
200-265°) with toluene (1:1) on the wt. of raw I taken to
the 1st crystn. For cooling of the soins. air or pre-heated
H₂O must be used, because cooling by H₂O at 21-30° does
not produce crystals. Crystals are interrupted and the
crystals are centrifuged at 25-50°. By dissolving raw I
and the intermediate product it is possible to remove H₂O
by azeotropic distn. By returning 75-85% I from mother
liquors into the production a yield of 95% I is 83-85%, incl.
on I in raw I consumed. Gluzman's data (CA 52, 13231c)
suggesting that for the production of pure I, 2-2.5 fold amts.
of bases from washing oil instead of bases b. to 200° are
needed, and that a change of the temp. at interrupting of
crystns. has no influence on the quality of I, were not
confirmed.

3
JAT(NB)

VCDRAZKA, J.

TECHNOLOGY

periodicals: PRUMYSL PETRAVIN Vol. 9, no. 8, Aug. 1958

VCDRAZKA, J. Experiences with the titan apparatus in the Polish People's Republic. (supplement) p. 21.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

VODRAZKA, J.; LUKASIEWICZ, M.; SPALDONOVA, R.

Studies on the effect of bemegride on toxic doses of chlorpromazine.
Cesk. fysiol. 8 no.3:258-259 Apr 59.

1. Farmakologicky ustav Veterinarskej fakulty a Farmakologicky ustav
Lek fak. UK, Kosice. Prednesene na III. fyziologickych dnoch v Brne
dne 14. 1. 1959.

(ANALEPTICS, effects,
bemegride on chlorpromazine tox. (Cz))
(CHLORPROMAZINE, tox.
eff. of bemegride (Cz))

LUKASIEWICZ, M.; VODRAZKA, J.; SPALDONOVA, R.; NICAK, A.

Influence on toxic activity of thiopentobarbital of certain central
analeptics. Rozhl. chir. 38 no.9:610-615 S '59

1. Farmakologicky ustav lekarskej fakulty v Kosiciach a Farmakologicky
ustav veterinarnej fakulty v Kosiciach.
(THIOPENTAL, toxicol.)
(ANALEPTICS, pharmacol.)

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VODRAZKA, Jan, inz.; SAROUN, Bohumil, inz.

Problems of baking in the high-frequency field. Prum potravin
14 no.7:378-382 Jl '63.

1. Zavody potravinarskych a chladicich stroju, n.p., Pardubice,
Vyzkumny ustav Praha.

VODRAZKA, Jan, inz.; CERNICKY, Ivan, inz.; SYKORA, Karel

Effect of the oven wall and air temperature on bread baking.
Prum potravin 14 no.7:376-378 J1 '63.

1. Zavody potravinarskych a chladicich stroju, n.p., Pardubice,
Vyzkumny ustav Praha.

Vodrážka, Josef

Methylnaphthalenes as insecticides. Arnost Tausek and
Josef Vodrážka. Chem. Prámyšl 5(30), 118-22 (1955).
Alkylnaphthalenes contained in coal tar and some high-boiling
petroleum fractions are highly toxic for insects when used as
fumigants. A rational production method of these compds.
from wash oil estd by 30% H₂SO₄ and alkali or directly
from raw oil was worked out.
L. A. Helwich

✓
M. S.

(1)

VODRAZKA, J.; PRISTOUPILOVA, K.

Photooxidation of blood proteins. VII. Change in the amino acid composition.

p. 1657 (Chemicke Listy) Vol. 51, no. 9, Sept. 1957. Praha, Czechoslovakia.¹

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 1, Jan 1958

CZECHOSLOVAKIA

MODRAZKA, J.; Chair of Pharmacology, Veterinary Faculty (Katedra Farmakologie Vet. Fakulty), Kosice.

"Determination of the Efficiency of Some New Antifascioliasis Substances by a Critical Test in Sheep."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 406

Abstract: The method is based on the formation of an anastomosis between the cholecyst and the distal section of the choledochus d. by means of a rubber tube, after the choledochus d. was restricted nearer to the liver. 5 substances were tested on 86 sheep with spontaneous invasion. Hexachlorophene gave full protection, dihydroxydinitrochlorodiphenyl gave good protection when 15 mg per kg of body weight was administered, 1,4-bistrichloromethylbenzene in a dose of 150 mg/kg killed 97.9% of the helminths, tetrachlorodifluoroethane at a dose of 330 mg/kg was 74.1% efficient, and p-chloroanilid of the 5-bromosalicylic acid at a dose of 50 mg/kg had an efficiency of 73.8%. 3 Czech references. Submitted at 14 Days of Pharmacology at Smolenice, 16 Feb 66.

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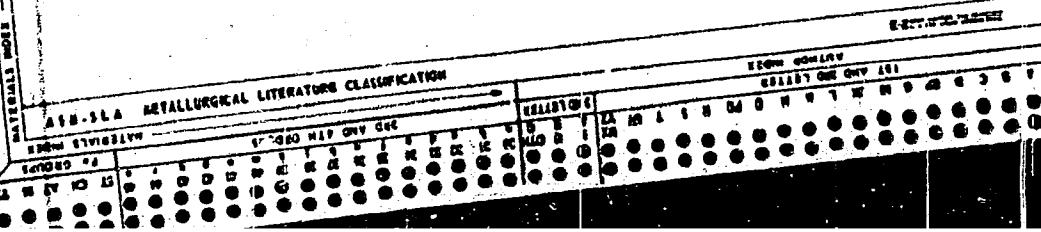
VODRAZKA, K.

"Safety in Chemistry", P. 6, (TECHNICKE NOVINY, Vol. 1, No. 17/18, Dec.
1953, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12,
Dec. 1954, Uncl.

F
70. SILICOSIS AND DUST FILTERS. Vodraška, J. (Banský Obzor, 1949,
vol. 3, (2), 27-31; abstr. in Glückauf, 9 Oct. 1949, vol. 85, 774).

The use of dust filters as protective screens for miners was studied
following the discovery that silicosis and silico-tuberculosis was in-
creasing among Czech miners. The theory of the origin of silicosis was in-
given. Details of a mask which holds back at least 90% of dust of grain
size 0.4 u are given.



VODRAZKA, R.; KELISOVA, A.

Psychological approach to the development of correct habits
and attitudes in the health education of children. Cesk.
pediat. 19 no.3:268-271 Mr'64

l. Ustredni ustaw zdravotnicke osvety v Praze; reditelka
MUDr.M.Taufrova.

*

VODRAZKA, Rudolf, Phdr.

Studies on health consciousness of youth in relation to alcoholism.
Cesk. zdravot. 7 no.8:453-456 S '59

1. Ustredni ustav zdravotnické osvety v Praze.
(ALCOHOLISM, prev. & control)
(HEALTH EDUCATION)

VODRAZHKA, Rudolf [Vodrazka, Rudolf] (Praga); ADAMETS, Chenek [Adamec, Cenek]
(Praga)

Concert with tape recorder. Zdorov'e 4 no.5:24 My '58. (MIRA 11:4)
(NUTRITION)

VODRAZKA, Z.: SUCHAN, M.: PRAUS, R.

"Photooxidation of blood proteins. V. Effect of photooxidation on the antigenic properties of proteins"

Chemicke Listy. Praha, Czechoslovakia. Vol. 49, no. 10, Oct 1955

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclassified

CZECHOSLOVAKIA/Human and Animal Physiology - Blood.

T-4

Abs Jour : Ref Zhur - Biol., No 7, 1958, 31567

Author : Vodrazka Zdenek, Sponar Jaroslav

Inst :
Title : Photo-Oxidation of Proteins of the Blood. IV. Photo-
Oxidation of Blood Plasma and Its Fractions in the
Presence of Methylene Blue.

Orig Pub : Chem. listy, 1955, 49, No 7, 1069-1074.

Abstract : Due to the effect of light on whole plasma, the content of histidine and triptophane and to a lesser degree of tyrosine was reduced with the addition of methylene blue, as a result of oxidation. The change of the UV-spectra of absorption of proteins was in addition analogous to that observed during photo-oxidation of other proteins. Changes were noted of the solubility of the proteins of the plasma; in addition H_2O_2 , was not formed.

Card 1/1

VODRAZKA, Z.

"Advances in protein chemistry" edited by C.B. Anfinsen,
M.L. Anson, K. Bailey, J.T. Edsall. Reviewed by Z. Vodrazka.
Chem listy 57 no.3:285-286 Mr '63.

VODRAZKA, Z.

"Polyelectrolyte solutions; a theoretical introduction" by
S.A.Rise and M.Nagasawa. Reviewed by Z.Vodrazka. Chem listy
56 no.11:1365-1366 N '62.

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VODRAZKA, Z.

"Fluorescence assay in biology and medicine" by S. Underfriend.
Reviewed by Z. Vodrazka. Chem listy 56 no.12:1468 D '62.

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CIA-RDP86-00513R001860410002-9"

VODRAZKA, Zdenek

Quantitative aspects of immunochemical reactions. Chem listy
57 no.7:750-775 Jl '63.

1. Ustav hematologie a krevni transfuse, Praha.

VODRAZKA, Zdenek
SURNAME, Given Name(s)

(3)

Country: Czechoslovakia

Academic Degrees: /not given/

Affiliation: Institute of Hematology and Blood Transfusion (Ustav hematologie a krevni transfuse), Prague; Director: Prof J. HOREJSI, MD, DSc

Source: Prague, Vnitri Lekarstvi, Vol VII, No 6, June 61, pp 670-693.

Data: "Laboratory Diagnosis of Abnormal Globulins."

Authors: VODRAZKA, Zdenek
KORINEK, Jaroslav

GPO 981643
227

SALAK, J.; VODRAZKA, Z.

A contribution to acetylation of human serum albumin by means of ketene.
Coll Cz Chem 27 no.8:2020-2021 Ag '62.

1. Institute of Hematology and Blood Transfusion, Prague.

VODRAZKA, Z.; MACH, O.; CEJKA, J.; KORINEK, J.

Comparision of some chemical and physicochemical properties of
human Y-globulin prepared by using various methods. Coll Cz chem
25 no.3:940-945 Mr '60. (EEAI 9:12)

1. Institut fur Hamatologie und Bluttransfusion, Prag.
(Gamma globulin)

VODRAZKA, Z.; SALAK, J.; CEJKA, J.

Acetylation of human serum albumins. Coll Cz chem 25 no.3:946-953
Mr '60. (EEAI 9:12)

1. Institut fur Hamatologie und Bluttransfusion, Prag.
(Acetylation) (Serum albumin)

CZECHOSLOVAKIA/Human and Animal Physiology. Biocca.

Abs Jour: Ref Zhur-Biol., No 8, 36262.

Author : Suchan, M., Vodrazka, Z., Praus, R.

Inst :

Title : Photo-Oxidation of the Blood Proteins. V. The Effect
of Photo-Oxidation on Proteins Antigenicity.

Orig Pub: Chem. listy, 1955, 49, No 10, 1573-1574.

Abstract: No abstract.

Card : 1/1

VODRAZKA, Z.

1

SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: [not given]

Affiliation: Institute of Hematology and Blood Transfusion, Prague

Source: Prague, Collection of Czechoslovak Chemical Communications,
Vol 26, No 11, November 1961, pp 2813-2816

Data: "Photooxidation of Blood Proteins. VIII. Photooxidation
of Human Haemoglobin in the Presence of Sensitizers."

Authors:

VODRAZKA, Z.
CEJKA, J.
SALAK, J.

VODRAZKA, Z.

Photooxidation of proteins. p. 829.

CHEMICKÉ LISTY (Ceskoslovenska akademie ved. Ceskaslovenska spotlost chemicks) Praha, Czechoslovakia. Vol. 53, No. 8, Aug. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 1,
Jan. 1960

Uncl.

VODRAZKA, Z.; SPONAR, J.

Photooxidation of blood proteins. VI. Comparing the effect of various sensibilizers.

p. 1649 (Chemicke Listy) Vol 51, no. 9, Sept. 1957. Praha, Czechoslovakia.

SO: Monthly Index of East European Accessions (EEAI) LC Vol. 7, no. 1, Jan 1958

VODRAZKA, Z.; HOLEYSOVSKA, H.; SIPALOVA, H.

Interaction of the α - and β -chains of hemoglobin. Pt. I. Coll
Cz Chem 29 no.5:1287-1295 My '64.

1. Institute of Hematology and Blood Transfusion, Prague.

VODRAZKA, Z.; SPONAR, J.

Protein interactions. V. Theoretical solution of the binding of dimerizing dyes.
p. 853. (Chemicke Listy, Praha. Vol. 50, no. 6, June 1956.)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

VODRAZKA, Z.; SPONAROVA, J.; SPONAR, J.

Protein interactions. VI. Binding of methylene blue by blood proteins. p. 860.
(Chemicke Listy, Praha. Vol. 50, no. 6, June 1956.)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

VODRAZKA, Z.

Vodrazka, Z. Turbidity curves of blood plasma proteins. I. p. 1232.
CHENICKS LISTY. Praha. Vol. 19, no. 9, 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 11,
Nov. 1955, Uncl.

VODRAZKA, Z.

487. Use of turbidity curves for the quantitative determination of proteins in mixtures. Z. Vodrážka (Ustav hematologie a krevní transfuze, Prague Czechoslovakia) (Chem. Listy, 1954, 48 [1], 1884-1887).—Conditions have been studied under which the turbidity curves, obtained by the non-equilibrium ppt. of proteins, can be used for the determination of proteins in mixtures. The proteins should have the optimum concn. range of 10 to 30 mg per 25 ml. Picric acid, 0.05 N HCl or 1 per cent. aq. uranyl acetate have been used as pptg. agents. Picric acid is especially suitable for the analysis of blood plasma and serum.

G. GLAUBER

VODRAZKA, Z.

"Equilibrium In The Acid Hydrolysis of Cyclohexanone Oxime."
p. 992. (Chemicke Listy. Vol. 47, No. 7, 6 May 1953 Pra. a.)

SO: Monthly List of East European Accessions, /Vol. 3, No. 3
Library of Congress, March 1954, Uncl.

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VORAZKA ?

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CIA-RDP86-00513R001860410002-9"

C Z E C H

Registration of turbidities in protein chemistry. II.
Derivative turbidity curves. Z. Vodáčka (Ústav hematol.
a krevní transfuse, Prague). *Chem. Listy* 48, 1701-2 (1954);
cf. *C.A.* 48, 4031c.—An app. is described for the production
of turbidity of protein derivs. in detg. the proteins in mixts.
The deriv. curves show better discrimination than the ordinary curves.
L. Hulický—

SUCHAN, M.; GYORGY, A.; VODRAZKA, Zd.; Spolupracovaly: A. Dobiasova,
K. Miterova, Z. Polakova

Study of the relation between the red corpuscle agglutinogens
and serum antibodies in vitro. Cas. lek. cesk. 95 no.27:721-
730 6 July 56.

1. Ustredni hematol. laboratoire fakultni nemoc. v Praze.
(ANTIGENS AND ANTIBODIES,
antibody-agglutinogen inter-action in vitro (Cz))
(HEMAGGLUTINATION,
same)

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V E P F A S P P F Z D E N K E ,

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HOLEYSOVSKA, H.; HOLEYSOVSKY, V.; VODRAZKA, J.

A method for estimation of the contents of α_1 and β fractions of
globin in mixtures. Čas. fys. Chem. 29 no. 5-6:182-186. May 1964.
I. Institute of Hematology and Blood Transfusion, Prague and Institute
of Organic Chemistry and Biochemistry, Czechoslovak Academy of
Sciences, Prague.

VODRAZKA, Z.

"Immunopathology in the clinical treatment and research and
the problem of autoantibodies" by P. Miescher, K.O. Vorlaender.
Reviewed by Z. Vodrazka. Chem listy 58 no.1:34 Ja'64.

REMARKS: *Vitamins and Amino Acids V*
Vol. 19, No. 12, 1958 (1959). During the hydrolysis
of proteins in the presence of methylene blue especially
at pH 7.0, the side chain and the imidazole ring of histidine
are cleaved. The decrease of the histidine content is
accompanied by the increase of protein solv., precipitation and
electrophoretic mobility, and by the increase of electrophoretic
mobility of the medium, and by the increase of glo-
bulin. It is shown that methylene blue is reduced by glo-
bulin, and that Hg²⁺ accumulates in the
medium.

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VODRAZKA, Z.; CEJKA, J.; HRKAL, Z.

"Physical chemistry of macromolecules" by C. Tanford. Reviewed
by Z. Vodrazka, J. Cejka, Z. Hrkal. Chem listy 58 no. 2:248-
249 F '64.

VODRAZKA, Z.

"Comprehensive biochemistry." Vol. 7. Reviewed by Z.
Vodrazka. Chem listy 58 no. 2:250-251 F '64.

"Advances in protein chemistry" edited by C. B. Anfisen, M.L.
Anson, K. Bailey, J. T. Edsall. Vol. 17. Reviewed by Z. Vodrazka.
Ibid.:253-254.

VODRAZKA, Z.; SALAK, J.; CEJKA, J.

On the role of amino groups and aliphatic hydroxyls in the
structure of human hemoglobin. Coll Cz Chem 28 no. 12:3290-
3296 D '63.

1. Insitute of Haematology and Blood Transfusion, Prague.

VODRAZKA, Z.

4

✓ Photooxidation of blood proteins. V. Effect of photobridging on the antigenic properties of proteins. M. Suchan, Z. Vodrážka, and R. Fraus (Ústav hematol., Prague). *Chem. Listy*, 49, 1573-4 (1955); cf. C.A. 49, 13313x. —The ability of forming antigens is decreased by photooxidation of proteins which results in the destruction of amino acids contg. aromatic nuclei (histidine, tryptophan, and tyrosine). The expts. were carried out with human globin, human γ -globulin, and horse serum albumin.

M. Hudlický

(2)

VODRAZKA, Z.

Chemical Abst.
Vol. 48
Apr. 10, 1954
Biological Chemistry

(5)

Registration of turbidity in protein chemistry. I. Apparatus. Z. Vodrážka (Ústav hematologie, Prague, Czech.). Chem. Listy 47, 1220-30 (1953).—A simple app. for the automatic recording of turbidity has been constructed from current lab. equipment. It is suitable for the continuous observation of fractionation, denaturation, etc., of proteins. Construction and manipulation are described in great detail. P. Erdős

ca

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Determination of arsenite, arsenate, selenite and selenate anions. Jaroslav Milbauer and Josef Vodrážka. *Chem. Listy*, 31, 177-9 (1937).—Arsenate can be pptd. as $Mg_2AsO_4 \cdot 6H_2O$ and weighed as $Mg_2P_2O_7$ after ignition. There is no serious contamination of the ppt. when the concn. lies between 0.011 and 0.08 mols. per l. and a double pptn. is carried out. Arsenite can be detd. in the filtrate similarly after oxidation to AsO_4^{3-} . The oxidation can be accomplished with concd., HNO_3 , ammoniacal H_2O_2 , $(NH_4)_2SO_4$, $HNO_3 + H_2SO_4$, Br_2 , $KBrO_3$ or $KClO_4$. To det. SeO_4^{2-} take 40 ml. of the neutral soln., add 2 ml. of 10% $HClO_4$ and 2 drops of 10% $AgClO_4$ and some $Ba(OH)_2$. Heat at 100° for 15 min., filter, dry at 105° and weigh as $BaSeO_4$. The soln. must be free from Cl^- before pptg. as Ba salt. The SeO_4^{2-} can be detd. from the total Se content, which is obtained by pptn. with hydrazine sulfate, and drying to const. wt. at 105° .

Frank Maresh

A10-15A METALLURGICAL LITERATURE CLASSIFICATION

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